

Title (en)

Hybrid Power Plant

Title (de)

HYBRIDKRAFTWERK

Title (fr)

CENTRALE ÉLECTRIQUE HYBRIDE

Publication

**EP 2467590 A4 20140416 (EN)**

Application

**EP 10814202 A 20100823**

Priority

- US 23609909 P 20090823
- US 2010046327 W 20100823

Abstract (en)

[origin: WO2011028474A1] A hybrid power plant is described in which a pressurized water nuclear reactor or a biomass-fueled power plant, which have a relatively low operating temperature, such as, is combined with a coal or other fossil fuel power plant having a higher operating temperature. Steam from the first plant is superheated in the second power plant to provide a hybrid plant with improved efficiencies and lower emissions.

IPC 8 full level

**F02C 6/02** (2006.01); **F01K 7/16** (2006.01); **F01K 13/00** (2006.01); **F02C 1/00** (2006.01); **F02C 1/05** (2006.01); **F22B 1/00** (2006.01); **F22B 1/02** (2006.01); **F22B 33/14** (2006.01); **F22B 33/18** (2006.01)

CPC (source: EP US)

**F01K 7/16** (2013.01 - EP US); **F01K 13/00** (2013.01 - EP US); **F02C 1/007** (2013.01 - EP US); **F02C 1/05** (2013.01 - EP US); **F02C 6/02** (2013.01 - EP US); **F22B 1/006** (2013.01 - EP US); **F22B 1/023** (2013.01 - EP US); **F22B 33/14** (2013.01 - EP US); **F22B 33/18** (2013.01 - EP US); **F05D 2220/31** (2013.01 - EP US); **F05D 2220/72** (2013.01 - EP US); **Y02E 10/46** (2013.01 - EP US); **Y02E 20/16** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US)

Citation (search report)

- [X] US 5727379 A 19980317 - COHN ARTHUR [US]
- [XY] EP 0129167 A2 19841227 - HITACHI LTD [JP], et al
- [X] GB 2431968 A 20070509 - PARSONS BRINCKERHOFF LTD [GB]
- [Y] BRIAN RICKETTS ET AL: "Technology Status Review of Waste/Biomass Co-Gasification with Coal", ICHEME FIFTH EUROPEAN GASIFICATION CONFERENCE, 8 April 2002 (2002-04-08), Nordwijk, The Netherlands, XP055105478
- See references of WO 2011028474A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011028474 A1 20110310**; CA 2771839 A1 20110310; CA 2771839 C 20160209; EP 2467590 A1 20120627; EP 2467590 A4 20140416; US 2011302921 A1 20111215; US 8839621 B2 20140923

DOCDB simple family (application)

**US 2010046327 W 20100823**; CA 2771839 A 20100823; EP 10814202 A 20100823; US 86134210 A 20100823